NOMENCLATURE OF ORGANIC COMPOUND AND COMMON NAMES

EXERCISE -1 (MAINS LEVEL)

Q.1 How many 1°carbon atom will be present in a simplest open chain hydrocarbon having two 3° and one 2° carbon atom ?

(A) 3 (B) 4 (C) 5 (D) 6

Q.2 Alicyclic compounds are :

(A) Aromatic compounds (B) Aliphatic cyclic compounds

(C) Heterocyclic compounds (D) None of the above

Q.3 How many 1°, 2°, 3° C atoms does 1, 3, 5-Trimethyl cyclohexane have?

(A) 3, 6, 0 (B) 3, 4, 2 (C) 0, 3, 6 (D) 3, 3, 3

Q.4 The compound which has one isopropyl group is:

(A) 2,2,3,3-Tetramethyl pentane (B) 2,2-Dimethyl pentane

(C) 2,2,3-Trimethyl pentane (D) 2-Methyl pentane

Q.5 Which of the following is the first member of ester homologous series?

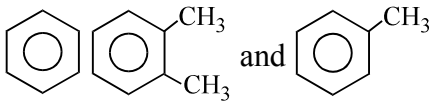
(A) Ethyl ethanoate (B) Methyl ethanoate

(C) Methyl methanoate (D) Ethyl methanoate

Q.6 A group closely related compounds which can be expressed by a general formula & in which two consecutive members differ by 14 in their molecular masses is called

(A) a heterogeneous series (B) a homologous series

(C) a homogeneous series (D) a electrochemical series

Q.7  and

Number of secondary carbon atoms present in the above compounds are respectively:

(A) 6,4,5 (B) 4,5,6 (C) 5,4,6 (D) 6,2,1

Q.8 The molecular formula of the first member of the family of alkenynes and its name is given by the set

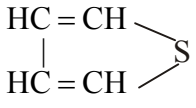
(A) C_3H_6, Alkene

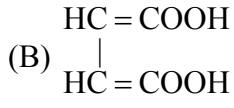
(B) C_5H_6, Pent-1-en-3-yne

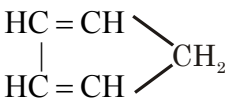
(C) C_6H_8, Hex-1-en-5-yne

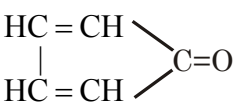
(D) C_4H_4, Butenyne

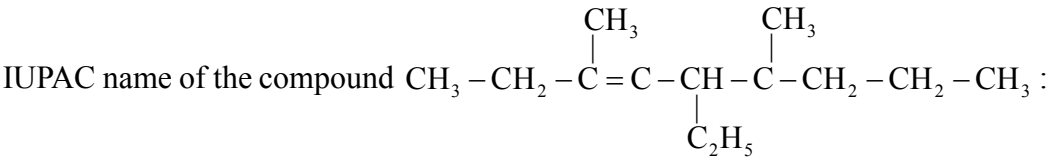
Q.9 Which of the following is a heterocyclic compound :

(A) 

(B) 

(C) 

(D) 

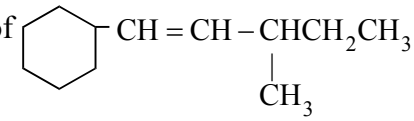
Q.10 The correct IUPAC name of the compound  :

(A) 5-Ethyl-3, 6-dimethyl non-3-ene

(B) 5-Ethyl-4, 7-dimethyl non-3-ene

(C) 4-Methyl-5, 7-diethyl oct-2-ene

(D) 2,4-Ethyl-5-methyl oct-2-ene

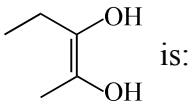
Q.11 The IUPAC name of  is:

(A) 1-Cyclohexyl-3-methyl pent-1-ene

(B) 3-Methyl-5-cyclohexyl pent-1-ene

(C) 1-Cyclohexyl-3-ethyl but-1-ene

(D) 1-Cyclohexyl-3,4-dmethyl but-1-ene

Q.12 IUPAC name of  is:

(A) But-2-ene-2,3-diol

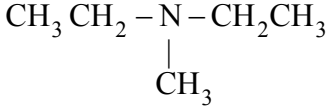
(B)Pent-2-ene-2,3-diol

(C) 2-Methylbut-2-ene-2,3-diol

(D) Pent-3-ene-3,4-diol

Q.13 IUPAC name of CH_2=CH – CN is:

(A) Ethenenitrile (B) Vinyl cyanide (C) Cyono ethene (D) Prop-2-enenitrile

Q.14 The IUPAC name of  is:

(A) N-Methyl-N-ethyl ethanamine

(B) Diethyl methanamine

(C) N-Ethyl-N-methyl ethanamine

(D) Methyl diethyl ethanamine

Q.15 The IUPAC name of acetyl acetone is :

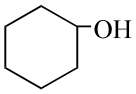
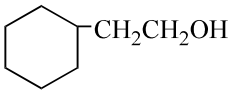
(A) Pentane-2,5- dione (B)Pentane -2,4-dione

(C) Hexane-2,4-dione (D)Butane-2,4-dione

Q.16 When vinyl & allyl are joined each other, we get

(A) Conjugated alkadiene (B) cumulative alkadiene

(C) Isolated alkadiene (D) Allenes

Q.17 (a)  and (b) 

True statement for the above compounds is :

(A) (a) is phenol while (b) is alcohol (B) Both (a) and (b) are primary alcohol

(C) (a) is primary and (b) is secondary alcohol (D) (a) is secondary and (b) is primary alcohol

Q.18 The IUPAC name of the following structure $(CH_3)C.C.C.(CH_3)CH(CH_3)$ is:

(A) 3-Methylhex-4-yn-2-ene (B) 3-Methylhex-2-en-4-yne

(C) 4-Methylhex-4-en-4-yne (D) All are correct

Q.19 The IUPAC name of the following structure is $[CH_3CH(CH_3)]_2\ C(CH_2CH_3)C(CH_3)\ C(CH_2CH_3)_2$

(A) 3,5-Diethyl-4,6-dimethyl-5-[1-methylethyl]hept-3-ene

(B) 3,5-Diethyl-5-isopropyl-4,6-dimethylhept-2-ene

(C) 3,5-Diethyl-5-propyl-4,6-dimethylhept-3-ene

(D) None of these

Q.20 The correct IUPAC name of $CH_3-CH_2-\underset{\underset{CH_2}{||}}{C}-COOH$ is:

(A) 2-Methyl butanoic acid (B) 2-Ethylprop-2-enoic acid

(C) 2-Carboxybutene (D) None of the above

Q.21 The correct IUPAC name of 2-ethylpent-3-yne is:

(A) 3-Methyl hex-4-yne (B) 4-Ethyl pent-2-yne

(C) 4-methyl hex-2 yne (D) None of these

Q.22 All the following IUPAC names are correct except:

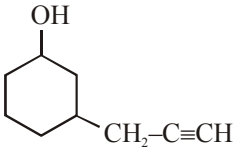
(A) 1-Chloro-1-ethoxy propane (B) 1-Amino-1-ethoxypropane

(C) 1-Ethoxy-2-propanol (D) 1-Ethoxy-1-propanamine

Q.23 The IUPAC name of the compound $CH_3CH = CHCH=CHC\equiv CCH_3$ is:

(A)Octa-4,6-diene-2-yne (B) Octa-2,4-diene-6-yne

(C) Oct-2-yne-4,6-diene (D) Oct-6-yne-2,4-diene

Q.24 The correct IUPAC name of 

(A) 3-Cyclohexanol Propyne (B) 3-[3-Hydroxy Cyclohexyl] Propyne

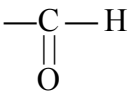
(C) 3-Propynyl Cyclohexanol (D) 3-(2-propynyl) Cyclohexanol

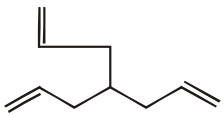
Q.25 The IUPAC name of β-ethoxy-α-hydroxy propionic acid (trivial name) is:

(A) 1,2-Dihydroxy-1-oxo-3-ethoxy propane (B) 1-Carboxy-2-ethoxy ethanol

(C) 3-Ethoxy-2-hydroxy propanoic acid (D) All above

Q.26 As per IUPAC rules, which one of the following groups, will be regarded as the principal functional group ?

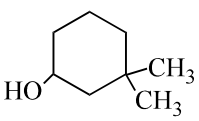
(A) —C≡C— (B) —OH (C) (D) 

Q.27 The IUPAC name of the compound  is :

(A) 4-Prop-1-enyl hepta-1,6-diene (B) 4-Propylidene hepta-1,6-diene

(C) 4-Propenyl hepta-1,6-diene (D) 4-[Prop-2-enyl] hepta-1,6-diene

Q.28 The IUPAC name of the given compound is:



(A) 1,1-Dimethyl-3-hydroxy cyclohexane (B) 3,3-Dimethyl-1-hydroxy cyclohexane

(C) 3,3-Dimethylcyclohexanol (D) 1,1-Dimethylcyclohexan-3-ol

Q.29 The IUPAC name of $(C_2H_5)_2NCH_2\underset{\displaystyle Cl}{\underset{|}{C}}H.COOH$ is:

(A) 2-Chloro-4-N-ethylpentanoic acid

(B) 2-Chloro-3-(N,N-diethyl amino)-propanoic acid

(C) 2-Chloro-2-oxo diethylamine

(D) 2-Chloro-2-carboxy-N-ethyl ethane

Q.30 The IUPAC name of the compound is $CH_3-\underset{\displaystyle CH_3}{\underset{|}{CH}}-\underset{\displaystyle Ph}{\underset{|}{CH}}-NH_2$

(A) 1-Amino-1-phenyl-2-methyl propane

(B) 2-Methyl-1-phenyl propan-1-amine

(C) 2-Methyl-1-amino-1-phenyl propane

(D) 1-Isopropyl-1-phenyl methyl amine

Q.31 Which of the following compound is wrongly named ?

(A) $CH_3CH_2CH_2\underset{\displaystyle Cl}{\underset{|}{C}}HCOOH$; 2-Chloro pentanoic acid

(B) $CH_3C\equiv\underset{\displaystyle CH_3}{\underset{|}{C}}CHCOOH$; 2-Methyl hex-3-enoic acid

(C) $CH_3CH_2CH=CHCOCH_3$; Hex-3-en-2-one

(D) $CH_3-\underset{\displaystyle CH_3}{\underset{|}{C}}HCH_2CH_2CHO$; 4-Methyl pentanal

Q.32 The correct IUPAC name of the following compound is:

$$O=\underset{\displaystyle OH}{\underset{|}{C}}-CH_2-\underset{\displaystyle H-C=O}{\underset{|}{CH}}-CHO$$

(A) 3,3-Diformylpropanoic acid

(B) 3-Formyl-4-oxo-butanoic acid

(C) 3,3-Dioxo propanoic acid

(D) 3,3-Dicarbaldehyde propanoic acid

Q.33 The correct IUPAC name of compound $CH_3-CH_2-\underset{\displaystyle O}{\underset{||}{C}}-\underset{\displaystyle CN}{\underset{|}{CH}}-CHO$ is :

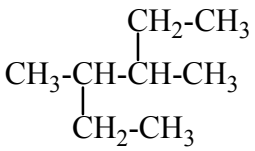
(A) 2-Cyano-3-oxopentanal

(B) 2-Formyl-3-oxopentanenitrile

(C) 2-Cyanopentane-1,3-dione

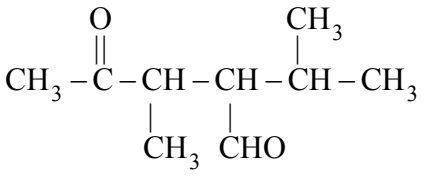
(D) 1,3-Dioxo-2-cyanopentane

Q.34 IUPAC name of compound



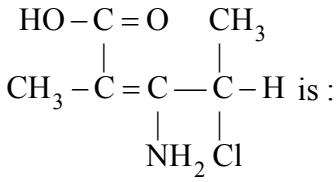
(A) 2, 3-diethyl butane (B) 2-ethyl-3-methyl pentane

(C) 3-methyl-2-ethyl pentane (D) 3,4-dimethyl hexane

Q.35 The IUPAC name of compound  is:

(A) 3,5-Dimethyl-4-Formyl pentanone (B) 1-Isopropyl-2-methyl-4-oxo butanal

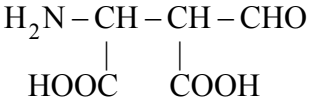
(C) 2-Isopropyl-3-methyl-4-oxo pentanal (D) None of the above

Q.36 The IUPAC name of compound  is :

(A) 2-Amino-3-chloro-2-methylpent-2-enoic acid (B) 3-Amino-4-chloro-2-methylpent-2-enoic acid

(C) 4-Amino-3-chloro-2-methylpent-2-enoic acid (D) All of the above

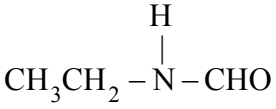
Q.37 The IUPAC name of the structure is:



(A) 3-Amino-2-formyl butane-1, 4-dioic acid (B) 3-Amino-2, 3-dicarboxy propanal

(C) 2-Amino-3-formyl butane-1, 4-dioic acid (D) 1-Amino-2-formyl succinic acid

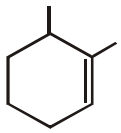
Q.38 One among the following is the correct IUPAC name of the compound



(A) N-Formyl aminoethane (B) N-Ethyl formyl amine

(C) N-Ethyl methanamide (D) Ethylamino methanal

Q.39 The IUPAC name of the structure is :



(A) 1,2-Dimethyl-Cyclohexane

(B) 1,6-Dimethyl-Cyclohexene

(C) 1,2-Dimethyl-Cyclohex-2-ene

(D) 2,3-Dimethyl-Cyclohexane

Q.40 The IUPAC name of $C_6H_5CH{=}CH{-}COOH$ is :

(A) Cinnamic acid

(B) 1-Phenyl-2-carboxy ethane

(C) 3-Phenyl prop-2-enoic acid

(D) Dihydroxy-3-phenyl propionic acid

Q.41 The IUPAC name of $BrCH_2-\underset{\displaystyle CONH_2}{\underset{|}{CH}}-CO-CH_2-CH_2CH_3$ is:

(A) 2-Bromomethyl-3-oxohexanamide

(B) 1-Bromo-2-amino-3-oxohexane

(C) 1-Bromo-2-amino-n-propyl ketone

(D) 3-Bromo-2-propyl propanamide

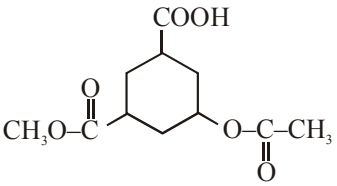
Q.42 IUPAC name will be $\underset{\displaystyle CN}{\underset{|}{CH_2}}-\underset{\displaystyle CN}{\underset{|}{CH}}-\underset{\displaystyle CN}{\underset{|}{CH_2}}$

(A) 1,2,3-Tricyano propane

(B) Propane-1,2,3- trinitrile

(C) 1,2,3-Cyano propane

(D) Propane-1,2,3-tricarbonitrile

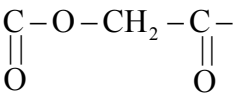
Q.43 The IUPAC name of compound 

(A) 3-Carbonyl methoxy -5- Ethanoyl oxy cyclohexanoic aicd

(B) 3-Ethanoyl oxy -5- Methoxy carbonyl cyclohexane carboxylic acid

(C) 5-Ethanoyl oxy -5- Methoxy carbonyl cyclohexanoic aicd

(D) 3-Methoxy carbonyl -5- Ethanoyl oxy cyclohexane carboxylic aicd

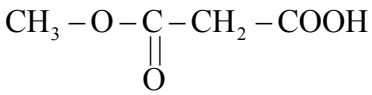
Q.44 The IUPAC name of  is:

(A) 1-Acetoxy acetic acid

(B) 2-Acetoxy ethanoic acid

(C) 2-Ethanoyloxyacetic acid

(D) 2-Ethanoyloxyethanoic acid

Q.45 

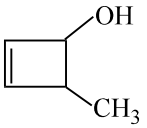
The correct IUPAC systematic name of the above compound is:

(A) 2-Acetoxy ethanoic acid

(B) 2-Methoxy carbonyl ethanoic acid

(C) 3-Methoxy formyl ethanoic acid

(D) 2-Methoxy formyl acetic acid

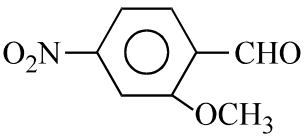
Q.46 The IUPAC name of  is :

(A) 3-Methyl cyclobut-1-ene-2-ol

(B) 4-Methyl cyclobut-2-ene-1-ol

(C) 4-Methyl cyclobut-1-ene-3-ol

(D) 2-Methyl cyclobut-3-ene-1-ol

Q.47 The IUPAC name of  is:

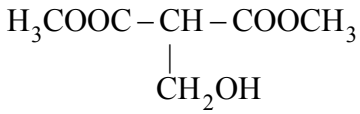
(A) 2-Methoxy-4-nitro benzaldehyde

(B) 4-Nitro anisaldehyde

(C) 3-Methoxy-4-formyl nitro benzene

(D) 2-Formyl-4-nitro anisole

Q.48 The IUPAC name of compound

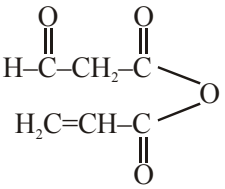


(A) 2-(Hydroxy methyl) methyl propanedioate

(B) Methyl-2-(hydroxy methyl) propanedioate

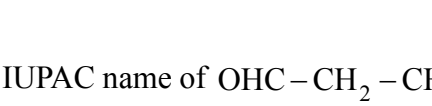
(C) 2-(Hydroxy methyl) dimethyl propanedioate

(D) None of these

Q.49 The IUPAC name of 

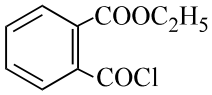
(A) 2-Formyl ethanoic propanoic Anhydride (B) 2-Oxo-propanoic prop-2-enoic Anhydride

(C) Prop-2-enoic-2-formyl propanoic Anhydride (D) 2-Formyl ethanoic prop-2-enoic Anhydride

Q.50 The IUPAC name of  is:

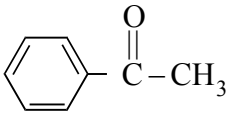
(A) 4,4-Di(formylmethyl) butanal (B) 2-(Formylmethyl) butane-1, 4-dicarbaldehyde

(C)Hexane-3-acetal-1, 6-dial (D) 3-(Formylmethyl) hexane-1, 6-dial

Q.51 The IUPAC name of  is :

(A) 2-Chlorocarbonyl ethylbenzoate (B) 2-Carboxyethyl benzoyl chloride

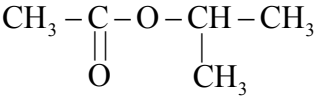
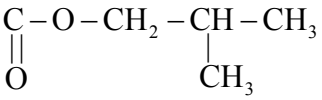
(C) Ethyl-2-(chlorocarbonyl)benzoate (D) Ethyl-1-(chlorocarbonyl)benzoate

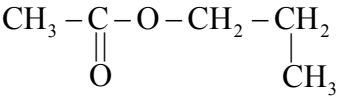
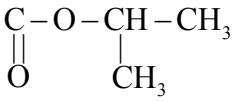
Q.52 The IUPAC name of  is:

(A) Phenyl ethanone (B) Methyl phenyl ketone

(C) Acetophenone (D) Phenyl methyl ketone

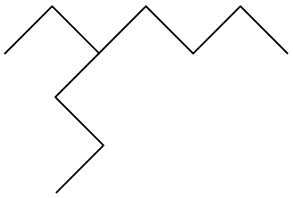
Q.53 Structural formula of isopropyl methanoate is :

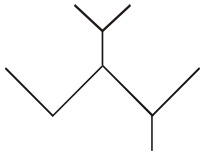
(A)  (B) 

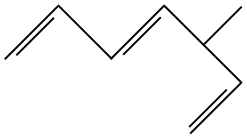
(C)  (D) 

EXERCISE -2(SUBJECTIVE)

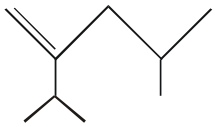
Give the IUPAC names for each of the following :

Q.1 

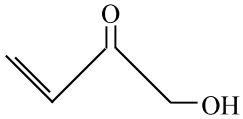
Q.2 

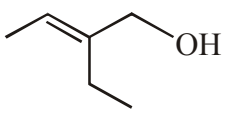
Q.3 

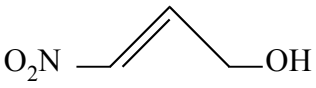
Q.4

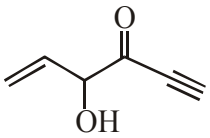
Q.5 

Q.6

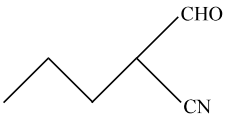
Q.7 

Q.8 

Q.9 

Q.10 

Q.11

Q.12 

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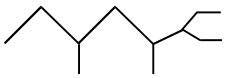
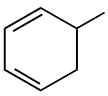
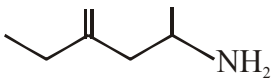
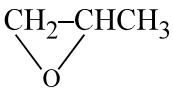
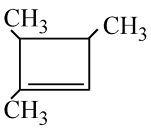
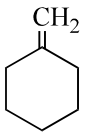
Q.14 

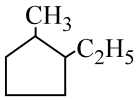
Q.15 

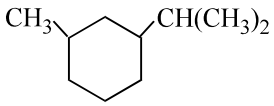
Q.16 

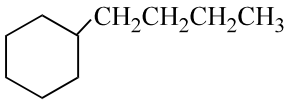
Q.17 

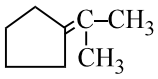
Q.18 

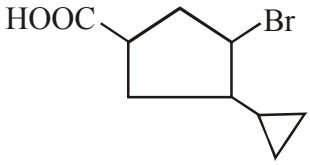
Q.19 

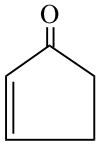
Q.20 

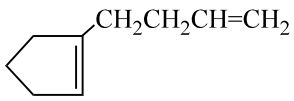
Q.21 

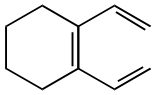
Q.22 

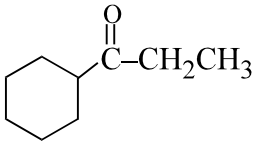
Q.23 

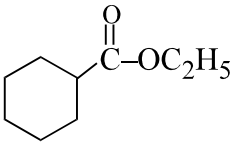
Q.24 

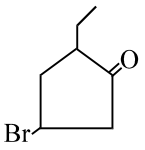
Q.25 

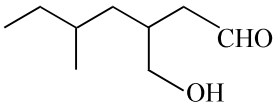
Q.26 

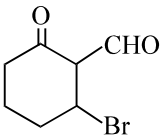
Q.27 

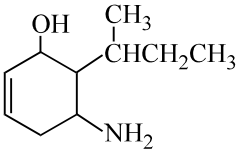
Q.28 

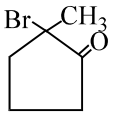
Q.29 

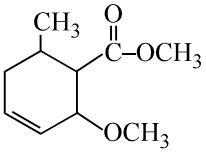
Q.30 

Q.31 

Q.32 

Q.33 

Q.34 

Q.35 

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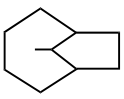
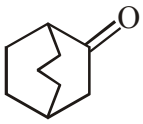
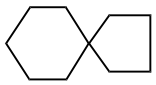
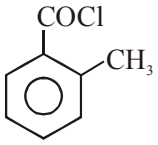
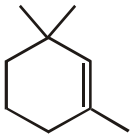
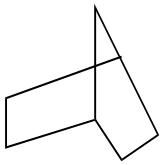
Q.37 

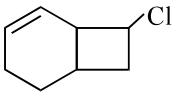
Q.38 

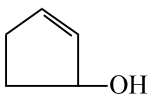
Q.39 

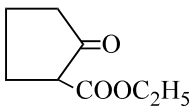
Q.40 

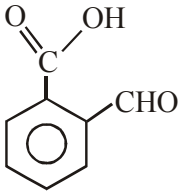
Q.41 

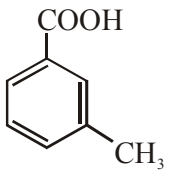
Q.42 

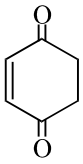
Q.43 

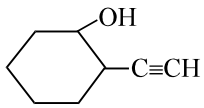
Q.44 

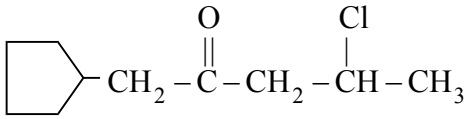
Q.45 

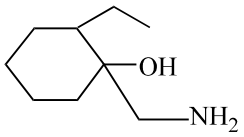
Q.46 

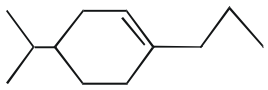
Q.47 

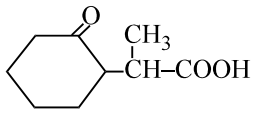
Q.48 

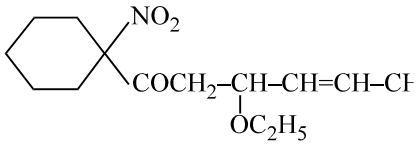
Q.49 

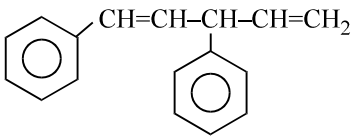
Q.50 

Q.51 

Q.52 

Q.53 

Q.54 

Q.55 

EXERCISE # S-I

Q.1 Which of the following pairs have absence of carbocyclic ring in both compounds?

(A) Pyridine, Benzene (B) Benzene, Cyclohexane

(C) Cyclohexane, Furane (D) Furane, Pyridine

Q.2 The commercial name of trichloroethene is:

(A) Westron (B) Perclene (C) Westrosol (D) Orlone

Q.3 A substance containing an equal number of primary, secondary and tertiary carbon atoms is:

(A) Mesityl Oxide (B) Mesitylene (C) Maleic acid (D) Malonic acid

Q.4 The IUPAC name of the compound Glycerine $\underset{|}{\overset{OH}{CH_2}}-\underset{|}{\overset{OH}{CH}}-\underset{|}{\overset{OH}{CH_2}}$ is:

(A) 1,2,3-Tri hydroxy propane (B) 3-Hydroxy pentane-1,5-diol

(C) 1,2,3-Hydroxy propane (D) Propane-1,2,3-triol

Q.5 Which of the following is crotonic acid:

(A) CH_2= CH–COOH (B) C_6H_5–CH=CH–COOH

(C) CH_3–CH=CH–COOH (D) $\begin{matrix} CH-COOH \\ \| \\ CH-COOH \end{matrix}$

Q.6 The group of heterocylic compounds is:

(A) Phenol, Furane (B) Furane, Thiophene

(C) Thiophene, Phenol (D) Furane, Aniline

Q.7 **Column - I**
(Common Name)

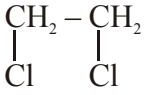
(A) Isooctane

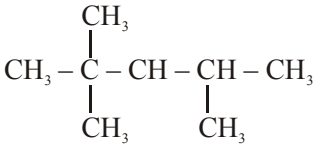
(B) Neopentane

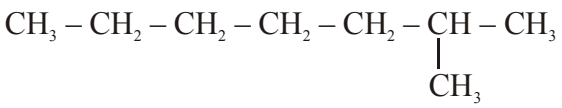
(C) Ethylidene chloride
(Geminal dihalide)

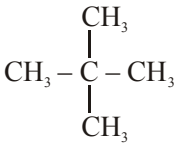
(D) Ethylene Dichloride
(Vicinal dihalide)

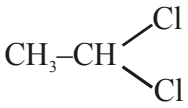
Column - II
(Structural formula)

(P) 

(Q) 

(R) 

(S) 

(T) 

Q.8 **Column - I**
(Common Name)

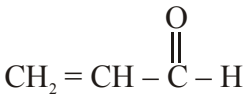
(A) Acetone

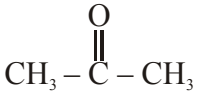
(B) Acetaldehyde

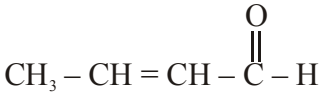
(C) Crotonaldehyde

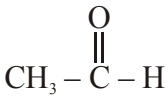
(D) Acrolein

Column - II
(Structural formula)

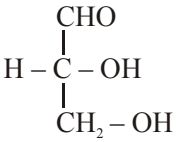
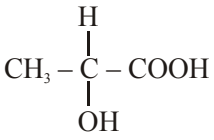
(P) 

(Q) 

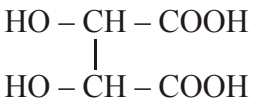
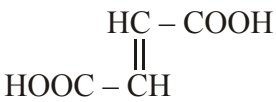
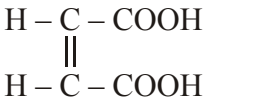
(R) 

(S) 

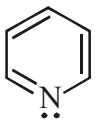
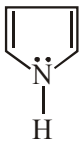
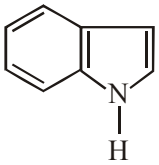
Q.9

Column - I (Common Name)	**Column - II (Structural formula)**
(A)	(P) Lactic acid (In milk)
(B) 	(Q) Glyoxal
(C) $H_2N - CH_2 - COOH$	(R) Glyceraldehyde
(D) 	(S) Glycine
	(T) Glycerol

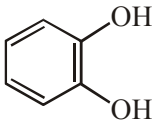
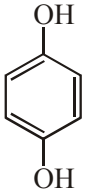
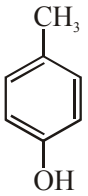
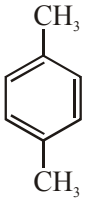
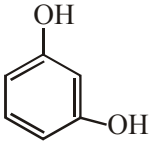
Q.10

Column - I (Common Name)	**Column - II (Structural formula)**
(A) Fumaric acid	(P) 
(B) Adipic acid	(Q) 
(C) Maleic acid	(R) 
(D) Tartaric acid	(S) $COOH(CH_2)_4COOH$

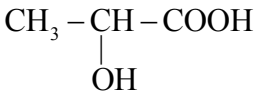
Q.11

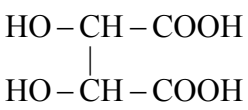
Column - I (Common Name)	**Column - II (Structural formula)**
(A) 	(P) Pyrrole
(B) 	(Q) Furan
(C) 	(R) Thiophene
(D)	(S) Indol
	(T) Pyridine

Q.12

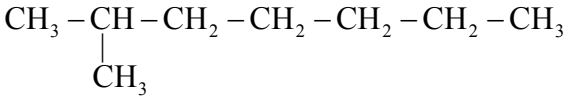
Column - I (Common Name)	**Column - II (Structural formula)**
(A) p-Cresol	(P) 
(B) p-Xylene	(Q) 
(C) Resorcinol	(R) 
(D) Quinol	(S) 
(E) Catechol	(T) 

Q.13 Which of the following is not correctly matched:

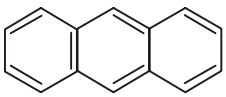
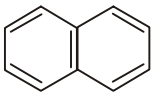
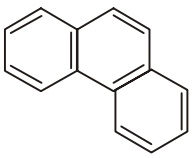
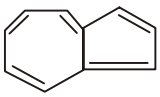
(A) Lactic acid 

(B) Tartaric acid 

(C) Pivaldehyde $CH_3C(CH_3)_2CHO$

(D) Iso-octane 

Q.14

Column - I	**Column - II**
(A) 	(P) Phenanthrene
(B) 	(Q) Anthracene
(C) 	(R) Azulene
(D) 	(S) Napthalene

EXERCISE -1 (MAINS LEVEL)

Q.1	**B**	**Q.2**	**B**	**Q.3**	**D**	**Q.4**	**D**	**Q.5**	**C**	**Q.6**	**B**	**Q.7**	**A**
Q.8	**D**	**Q.9**	**A**	**Q.10**	**A**	**Q.11**	**A**	**Q.12**	**B**	**Q.13**	**D**	**Q.14**	**C**
Q.15	**B**	**Q.16**	**C**	**Q.17**	**D**	**Q.18**	**B**	**Q.19**	**A**	**Q.20**	**B**	**Q.21**	**C**
Q.22	**B**	**Q.23**	**B**	**Q.24**	**D**	**Q.25**	**C**	**Q.26**	**D**	**Q.27**	**D**	**Q.28**	**C**
Q.29	**B**	**Q.30**	**B**	**Q.31**	**B**	**Q.32**	**B**	**Q.33**	**B**	**Q.34**	**D**	**Q.35**	**C**
Q.36	**B**	**Q.37**	**C**	**Q.38**	**C**	**Q.39**	**B**	**Q.40**	**C**	**Q.41**	**A**	**Q.42**	**D**
Q.43	**B**	**Q.44**	**D**	**Q.45**	**B**	**Q.46**	**B**	**Q.47**	**A**	**Q.48**	**B**	**Q.49**	**D**
Q.50	**D**	**Q.51**	**C**	**Q.52**	**A**	**Q.53**	**D**						

EXERCISE -2 SUBJECTIVE

Q.1 4-Ethyl octane

Q.2 3-Ethyl-2,4-dimethyl pentane

Q.3 5-Methyl hepta-1,3,6-triene

Q.4 Hepta-1,5-dien-3-yne

Q.5 2-Isopropyl-4-methyl pent-1-ene

or 4-Methyl-2-(methyl ethyl) pent-1-ene

Q.6 3-Methoxypropene

Q.7 1-Hydroxybut-3-en-2-one

Q.8 2-Ethylbut-2-en-1-ol

Q.9 3-nitroprop-2-en-1-ol

Q.10 4-hydroxyhex-5-en-1-yn-3-one

Q.11 4,6-Bis-[1,1-Dimethyl ethyl] Nonane

Q.12 2-Formyl pentane nitrile

Q.13 2,2,6,7-tetramethylocatane

Q.14 3-Ethyl-4,6-dimethyloctane

Q.15 5-Methyl cyclohexa-1,3-diene

Q.16 4-Ethyl Pent-4-en-2-amine

Q.17 1,2-epoxy propane

Q.18 1,3,4-trimethyl cyclobutene

Q.19 Methylene cyclohexane

Q.20 1-ethyl-2-methylcyclopentane

Q.21 1-methyl-3-(methyl ethyl) cyclohexane
or 1-isopropyl-3-methylcyclohexane

Q.22 Butyl cyclohexane

Q.23 Isopropylidenecyclopentane
or 1-methyl ethylidene cyclopentane

Q.24 3-Bromo-4-cyclopropyl cyclopentane carboxylic acid

Q.25 Cyclopent-2-en-1-one

Q.26 1-(3-butenyl) cyclopentene

Q.27 1,2-diethenyl cyclohexene

Q.28 1-cyclohexyl-1-propanone

Q.29 Ethyl cyclohexanecarboxylate

Q.30 4-Bromo-2-ethyl cyclopentanone

Q.31 3-(hydroxymethyl)-5-methylheptanal

Q.32 2-Bromo-6-oxocyclohexanecarbaldehyde

Q.33 5-amino-6-(1-methyl propyl)
cyclo hex-2-enol

Q.34 2-bromo-2-methyl cyclopentanone

Q.35 Methyl-2-methoxy-6-methyl-3- cyclohexene
carboxylate

Q.36 Bicylo(2,2,1)heptane

Q.37 9-methyl bicyclo(4,2,1) nonane

Q.38 Bicyclo [3,2,2] Non-6-one

Q.39 spiro(4,5) decane

Q.40 2-Methyl Benzoyl Chloride

Q.41 1,3,3-Trimethyl cyclohexene

Q.42 Bicyclo(2,2,1) heptane

Q.43 8-chloro bicyclo(4,2,0) oct-2-ene

Q.44 2-cyclopenten-1-ol

Q.45 Ethyl-2-oxo cyclo pentane carboxylate

Q.46 2-Formyl Benzoic acid

Q.47 3-Mthyl Benzoic acid

Q.48 Cyclohex-2-en-1,4-dione

Q.49 2-ethynyl cyclohexanol

Q.50 4-chloro-1-cyclopentyl pentane-2-one

Q.51 1-Amino methyl-2-ethyl cyclohexanol

Q.52 4-isopropyl -1-propyl cyclohexene
or 4-(methyl ethyl)-1-propyl cyclohexene

Q.53 2-(2-oxo-cyclohexyl) propanoic acid

Q.54 3-ethoxy-1(1-nitrocyclohexyl)-hex-4-en-1-one

Q.55 1,3-diphenyl-1,4-pentadiene

EXERCISE # S-I

Q.1 D **Q.2** C **Q.3** B **Q.4** D **Q.5** C **Q.6** B

Q.7 (A) Q, (B) S , (C) T , (D) P **Q.8** (A) Q, (B) S , (C) R , (D) P

Q.9 (A) Q, (B) R , (C) S , (D) P **Q.10** (A) Q, (B) S , (C) R , (D) P

Q.11 (A) T, (B) P , (C) S , (D) Q **Q.12** (A) R, (B) S , (C) T , (D) Q, (E) P

Q.13 D **Q.14** (A) Q, (B) S , (C) P , (D) R